SEQUENCE LISTING

<110> Holloway, James
      Gao, Zeren
      Bishop, Paul

<120> Mammalian Cystatin-8 and Its Use to
   Inhibit Cancer Procoagulant Protein

<130> 00-81US

<150> 60/230,230
<151> 2001-09-01

<160> 19

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gag ccc tgg cag gcc cta cag ctc ctg ttg gcc att cta ttg act ctg   106
Glu Pro Trp Gln Ala Leu Gln Leu Leu Leu Ala Ile Leu Leu Thr Leu
         5   10   15

atg gcc ctc ccc tac caa gca agg aag aaa acc ttt cta agc gtc cat   154
Met Ala Leu Pro Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His
     20   25   30

gaa gtg atg gca gta gaa aac tat gcg aag gac agc ttg cag tgg atc   202

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        Glu Val Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile
         35                  40                  45                  50

acc gac cag tat aac aag gaa agt gat gac aag tac cac ttc agg atc         250
Thr Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile
                     55                  60                  65

ttc cga gtc ctt aaa gtc cag agg cag gtc act gac cac ctg gag tat         298
Phe Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr
                 70                  75                  80

cac ctg aat gtg gaa atg cag tgg acc acc tgc caa aag cca gag acc         346
His Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr
                 85                  90                  95

acg aac tgt gtc ccc cag gaa agg gag ctt cac aag caa gtc aac tgc         394
Thr Asn Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys
        100                 105                 110

ttc ttc tca gtg ttt gct gta ccc tgg ttt gaa cag tac aaa att ttg         442
Phe Phe Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu
115                 120                 125                 130

aac aaa agc tgc agc agt gac tag gtgtcctgga gggtacaact gcggccactg        496
Asn Lys Ser Cys Ser Ser Asp  *
                135

catgtgagag aatcctgcaa tgggcaataa tccttaatat aggcaataaa tgtttgtcaa        556
catattctct taaaaaaa                                                     574
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<210> 2
<211> 137
<212> PRT
<213> Homo sapiens

<400> 2

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Thr Leu Met Ala Leu Pro Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser
             20                  25                  30
Val His Glu Val Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln
         35                  40                  45
Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe
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        50                    55                    60
Arg Ile Phe Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu
65                    70                    75                    80
Glu Tyr His Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro
                      85                    90                    95
Glu Thr Thr Asn Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val
                     100                   105                   110
Asn Cys Phe Phe Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys
                 115                   120                   125
Ile Leu Asn Lys Ser Cys Ser Ser Asp
                 130                   135
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<210> 3
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<212> PRT
<213> Homo sapiens

<400> 3
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Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala
1                    5                    10                    15
Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr
                     20                    25                    30
Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu
                 35                    40                    45
Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val
             50                    55                    60
Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val
65                    70                    75                    80
Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe Ser Val
                     85                    90                    95
Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys Ser Cys
                100                   105                   110
Ser Ser Asp
        115
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<210> 4
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<212> PRT
<213> Homo sapiens

<400> 4

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1               5               10              15
Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp
            20              25              30
Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg
        35              40              45
Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu
    50              55              60
Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
65              70              75              80
Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
            85              90              95
Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
            100             105             110
Ser Cys Ser Ser Asp
        115
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<210> 5
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<213> Homo sapiens

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Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala Val
1               5               10              15
Glu Asn Tyr Ala Lys Asp
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Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala Val Glu Asn
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Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu
            20              25              30
Ser Asp Asp Lys
        35
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Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp
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Asp Lys



<210> 8
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<212> PRT
<213> Homo sapiens

<400> 8
Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp
 1               5                   10                  15
Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu Lys Val Gln Arg Gln
                20                  25                  30
Val Thr Asp
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<210> 9
<211> 27
<212> PRT
<213> Homo sapiens

<400> 9
Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe
 1               5                   10                  15
Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp
                20                  25



<210> 10
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<212> PRT
<213> Homo sapiens
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<400> 10
Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu
1   5   10   15
Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val
                20   25   30
Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
            35   40   45

<210> 11
<211> 24
<212> PRT
<213> Homo sapiens

<400> 11
Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu Met Gln
1   5   10   15
Trp Thr Thr Cys Gln Lys Pro Glu
                20

<210> 12
<211> 33
<212> PRT
<213> Homo sapiens

<400> 12
Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu Met Gln Trp
1   5   10   15
Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro Gln Glu Arg
                20   25   30
Glu

<210> 13
<211> 49
<212> PRT
<213> Homo sapiens

<400> 13

Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe
1   5   10   15
Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His
            20   25   30
Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr
            35   40   45
Asn

<210> 14
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<212> PRT
<213> Homo sapiens

<400> 14
Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu Lys
1   5   10   15
Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu
            20   25   30
Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro
            35   40   45
Gln Glu Arg Glu
        50

<210> 15
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<212> PRT
<213> Homo sapiens

<400> 15
Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg
1   5   10   15
Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu
            20   25   30
Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
            35   40   45
Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
        50   55   60
Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
65   70   75   80

<210> 16
<211> 59
<212> PRT
<213> Homo sapiens

<400> 16
Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu Met Gln
1   5   10   15
Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro Gln Glu
                20   25   30
Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe Ser Val Phe Ala Val
            35   40   45
Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
        50   55

<210> 17
<211> 48
<212> PRT
<213> Homo sapiens

<400> 17
Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
1   5   10   15
Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
                20   25   30
Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
            35   40   45

<210> 18
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<212> DNA
<213> Homo sapiens

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gattctctca catgcagtgg ccgcagttgt accctccagg acacctagtc actgctgcag   120
cttttgttca aaattttgta ctgttcaaac cagggtacag caaacactga gaagaagcag   180
ttgacttgct tgtgaagctc cctttcctgg gggacacagt tcgtggtctc aggcttttgg   240
caggtggtcc actgcatttc cacattcagg tgaaacccca ggtggtcaag tgactgcctc   300

tggaccttaa ggactcggaa aatcctgaag tgggacttgt catcactttc cctggtatac   360
tggtcggtga tccactggaa gct   383

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<213> Homo sapiens

<400> 19
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